

FIG. 1A

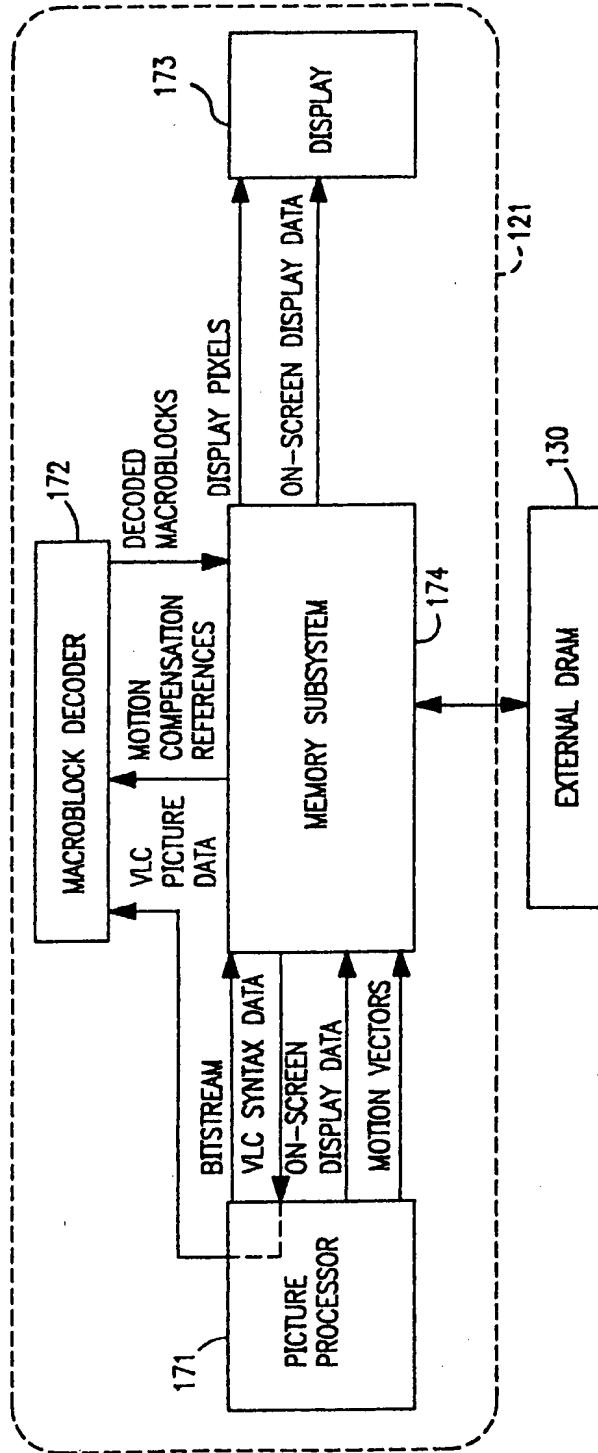


FIG. 1B

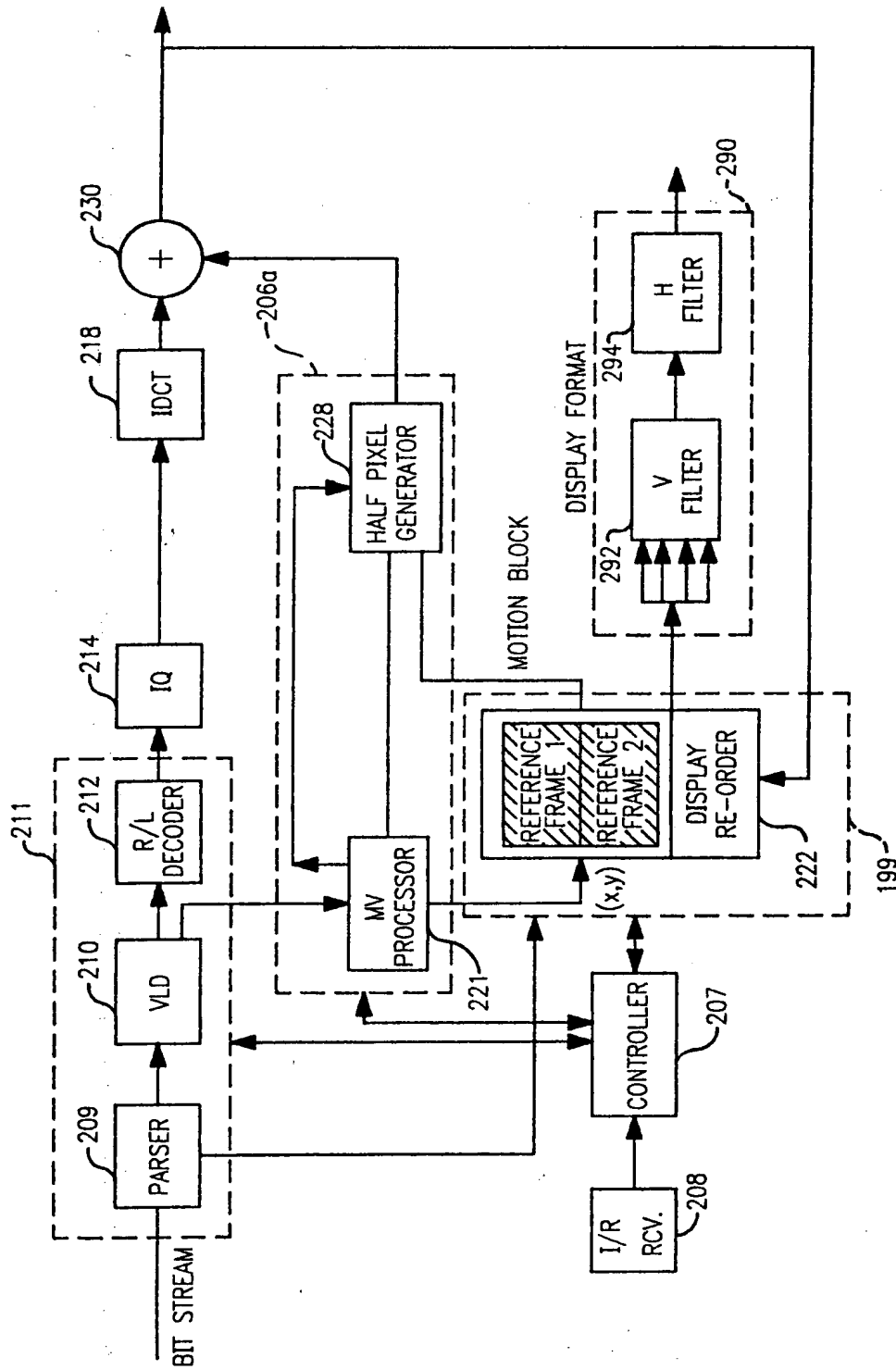


FIG. 2A

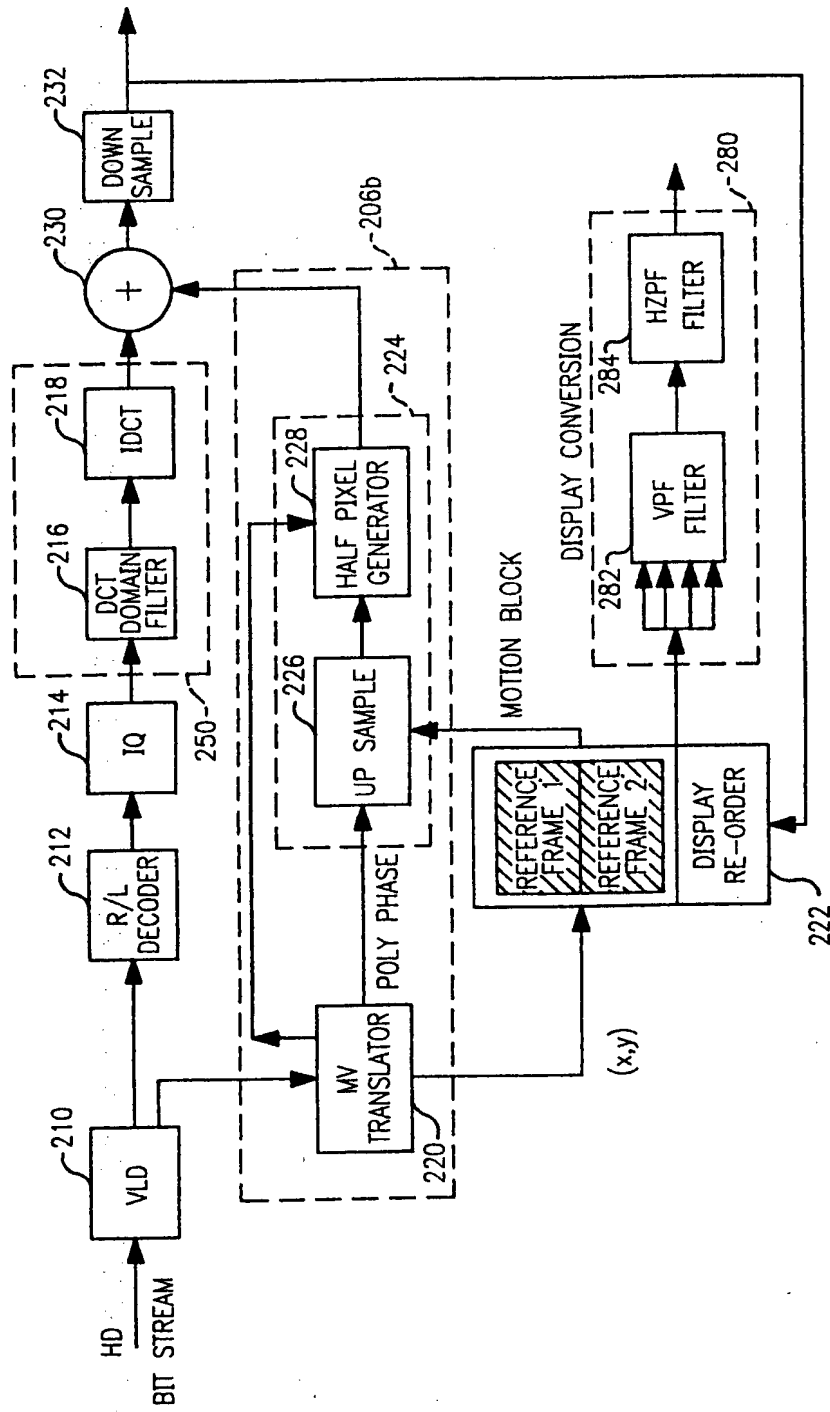


FIG. 2B

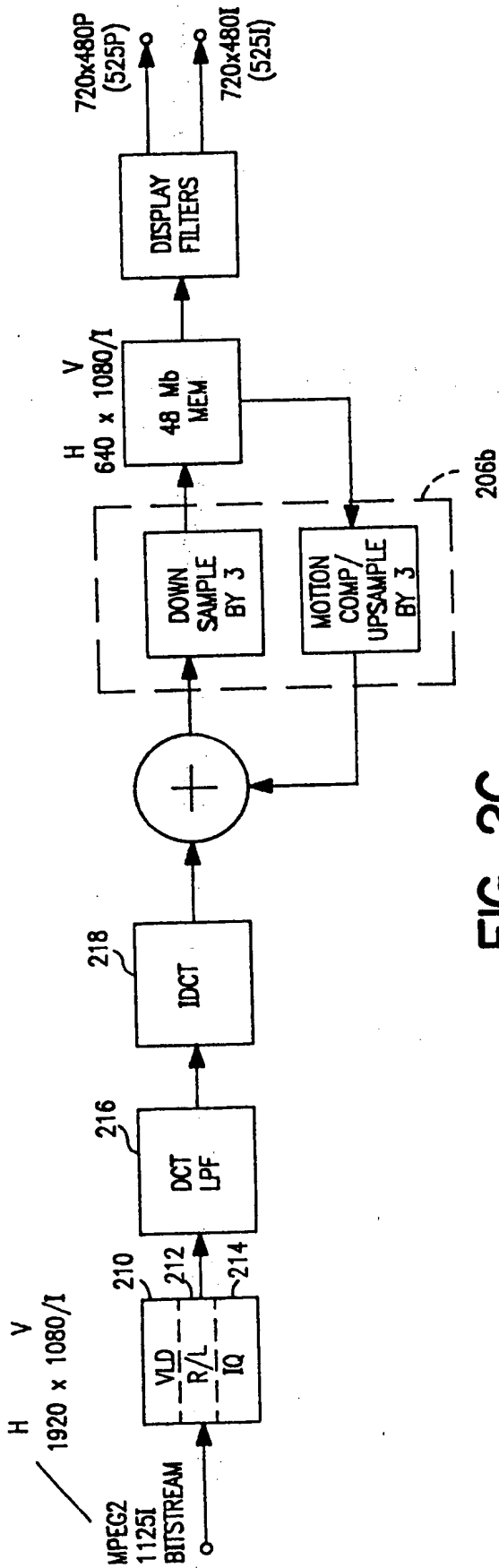


FIG. 2C

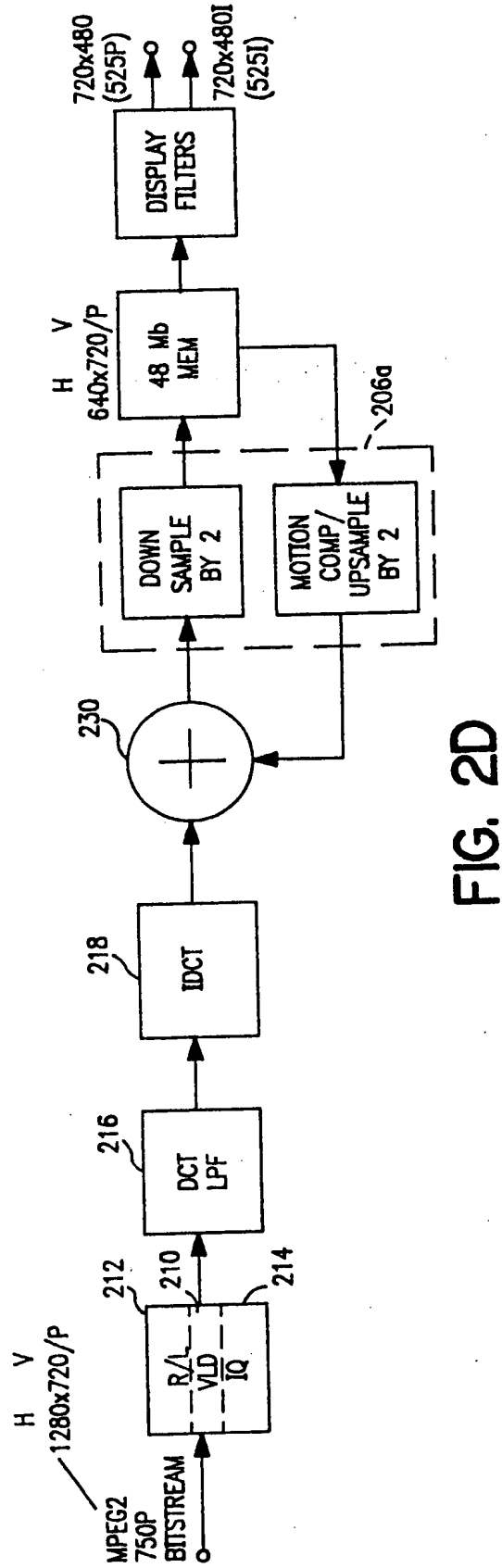


FIG. 2D

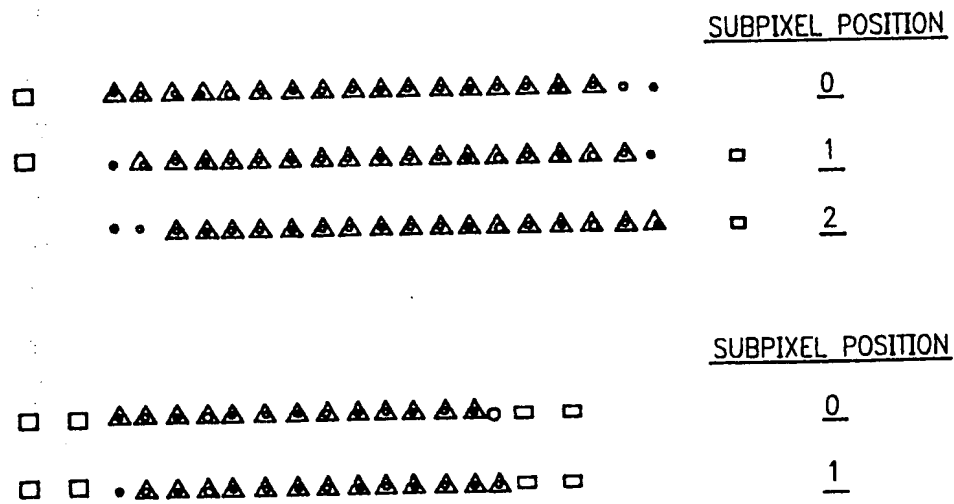


FIG. 3A

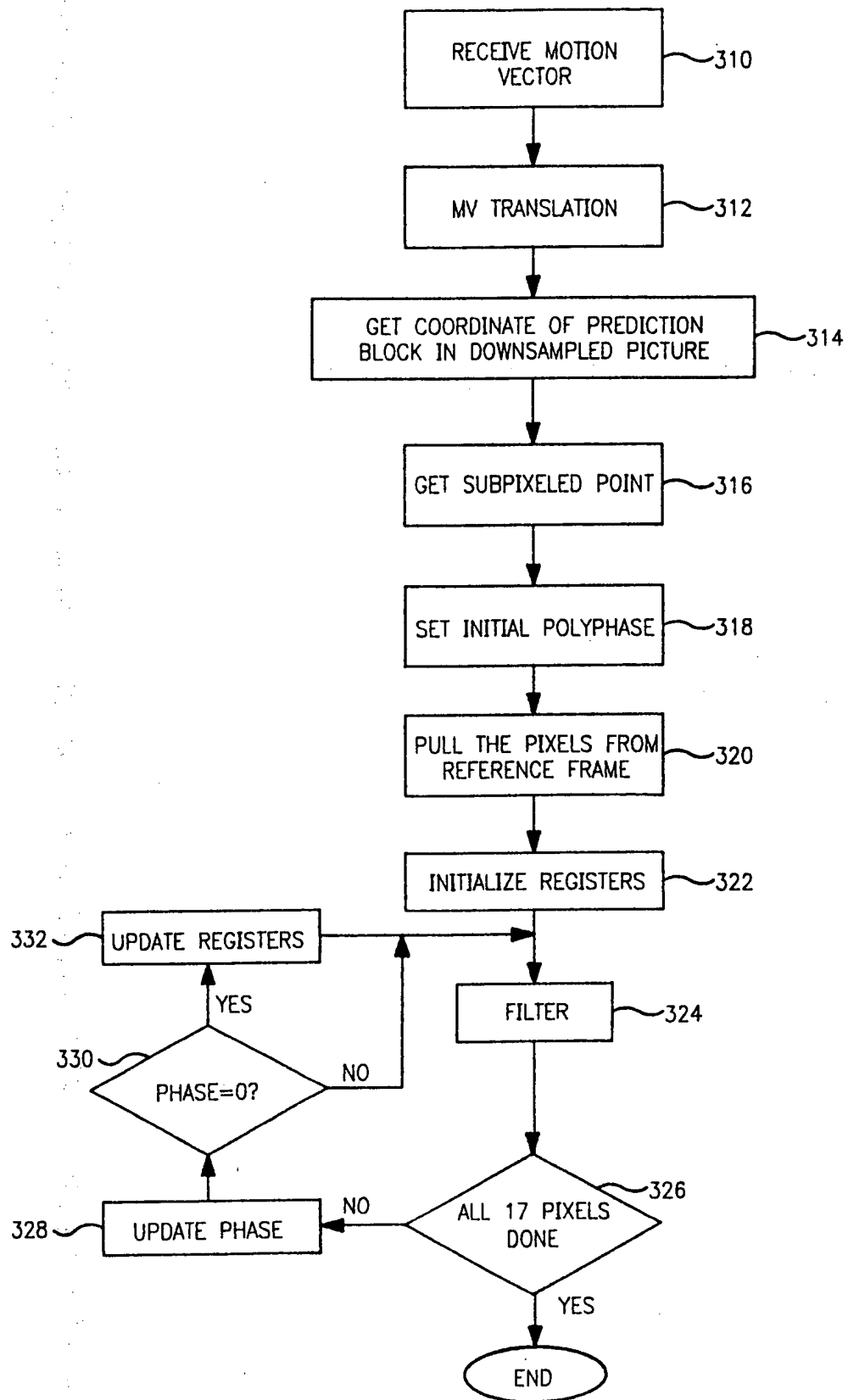


FIG. 3B

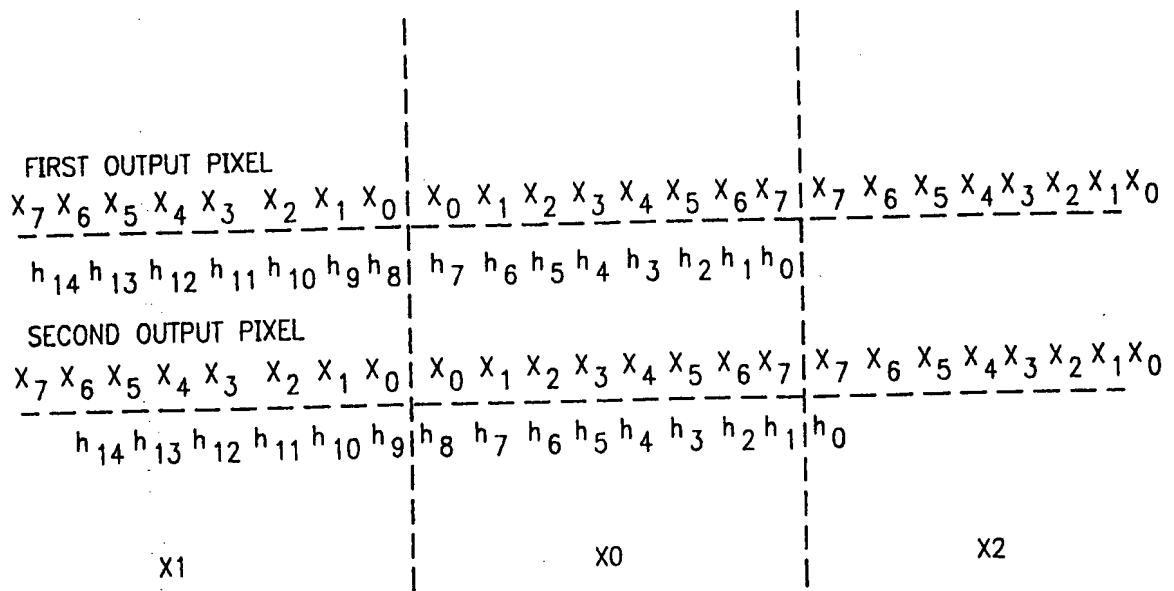


FIG. 4

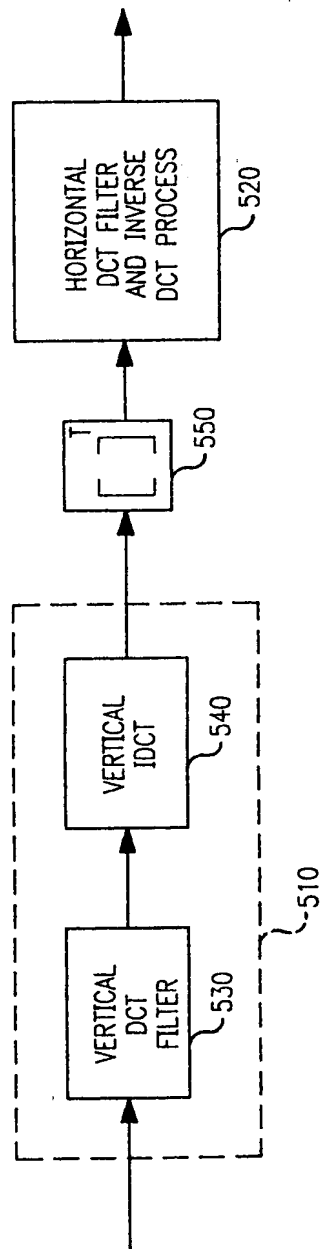


FIG. 5

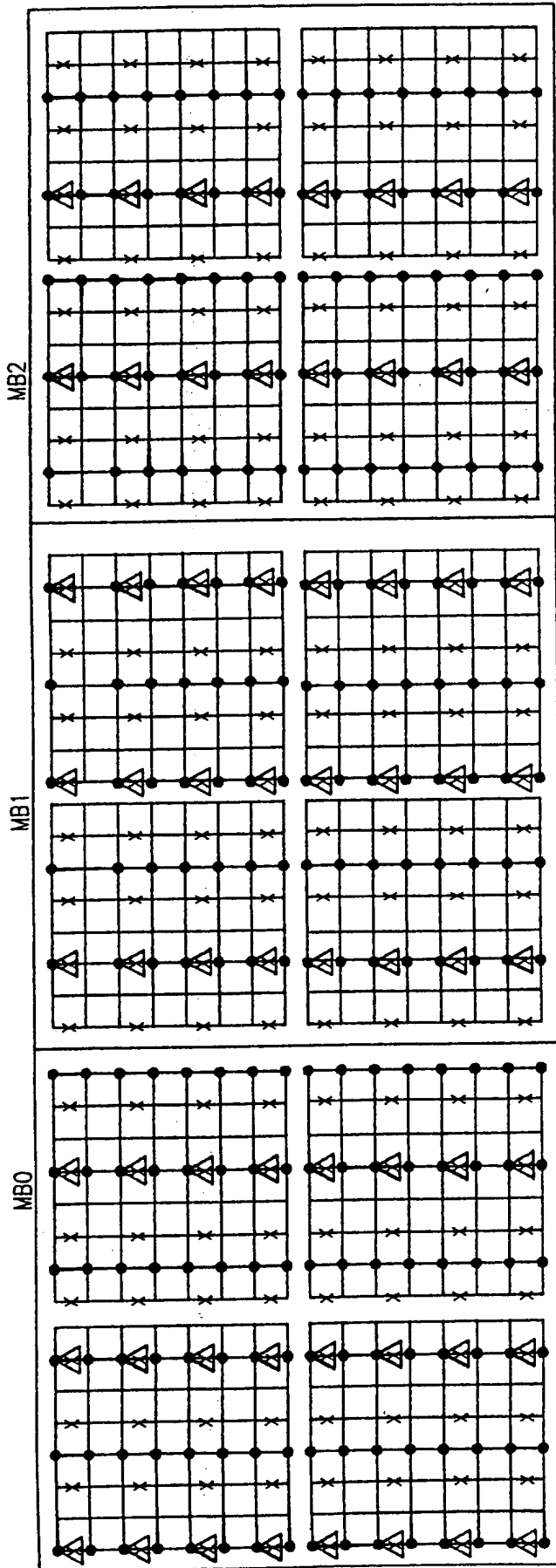


FIG. 6A

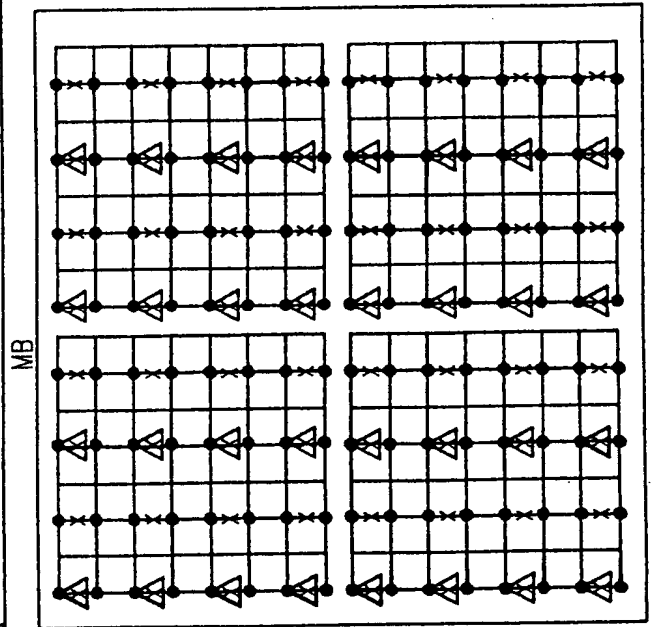
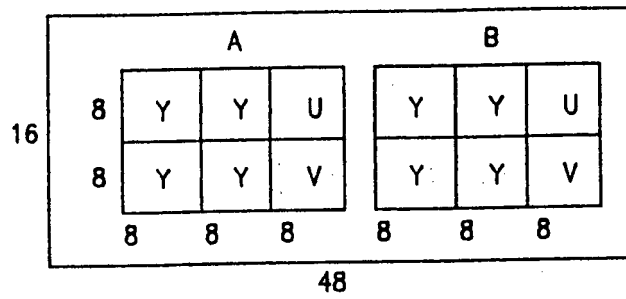
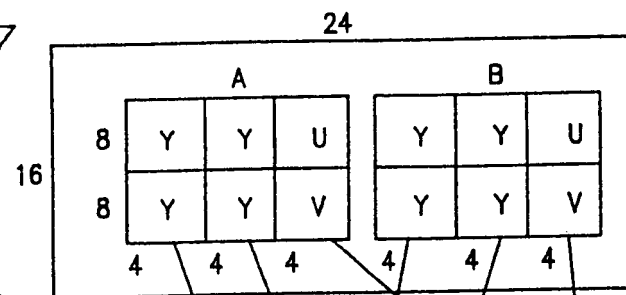


FIG. 6B

A GROUP OF 2 MACROBLOCKS
FROM A MACROBLOCK ROW



AFTER 2:1 HORIZONTAL
DOWNSAMPLE



AFTER MERGE INTO A SINGLE
MACROBLOCK FOR STORAGE

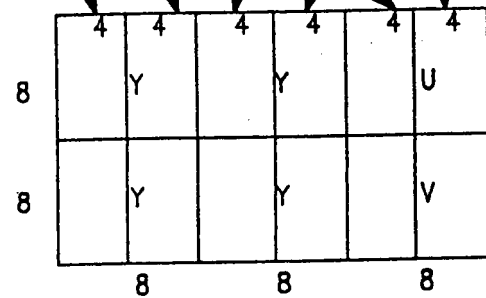
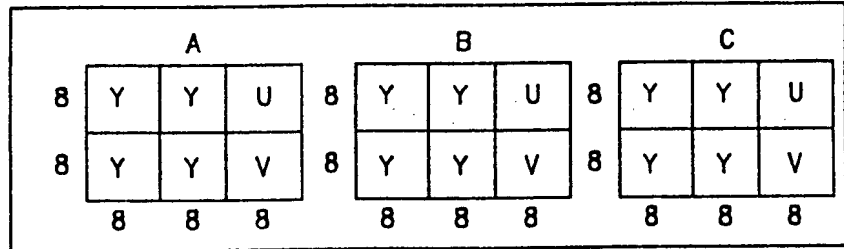


FIG. 6C

A GROUP OF 3 MACROBLOCKS
FROM A MACROBLOCK ROW

16

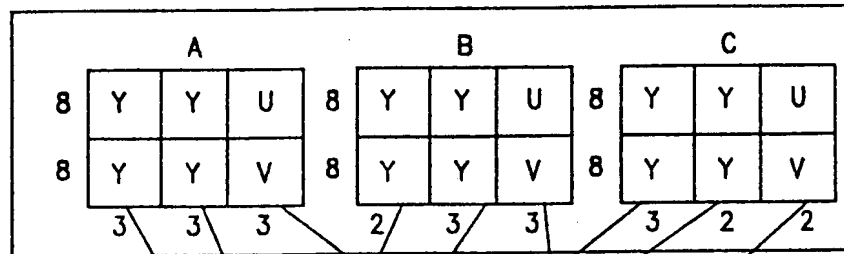


72

24

AFTER 3:1 HORIZONTAL
DOWNSAMPLE

16



AFTER MERGE INTO A SINGLE
MACROBLOCK FOR STORAGE

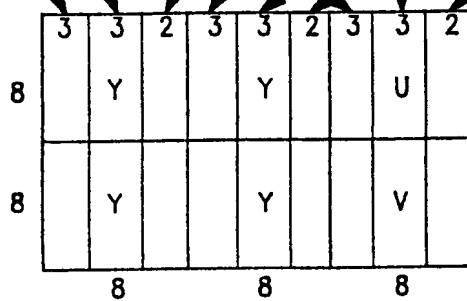


FIG. 6D

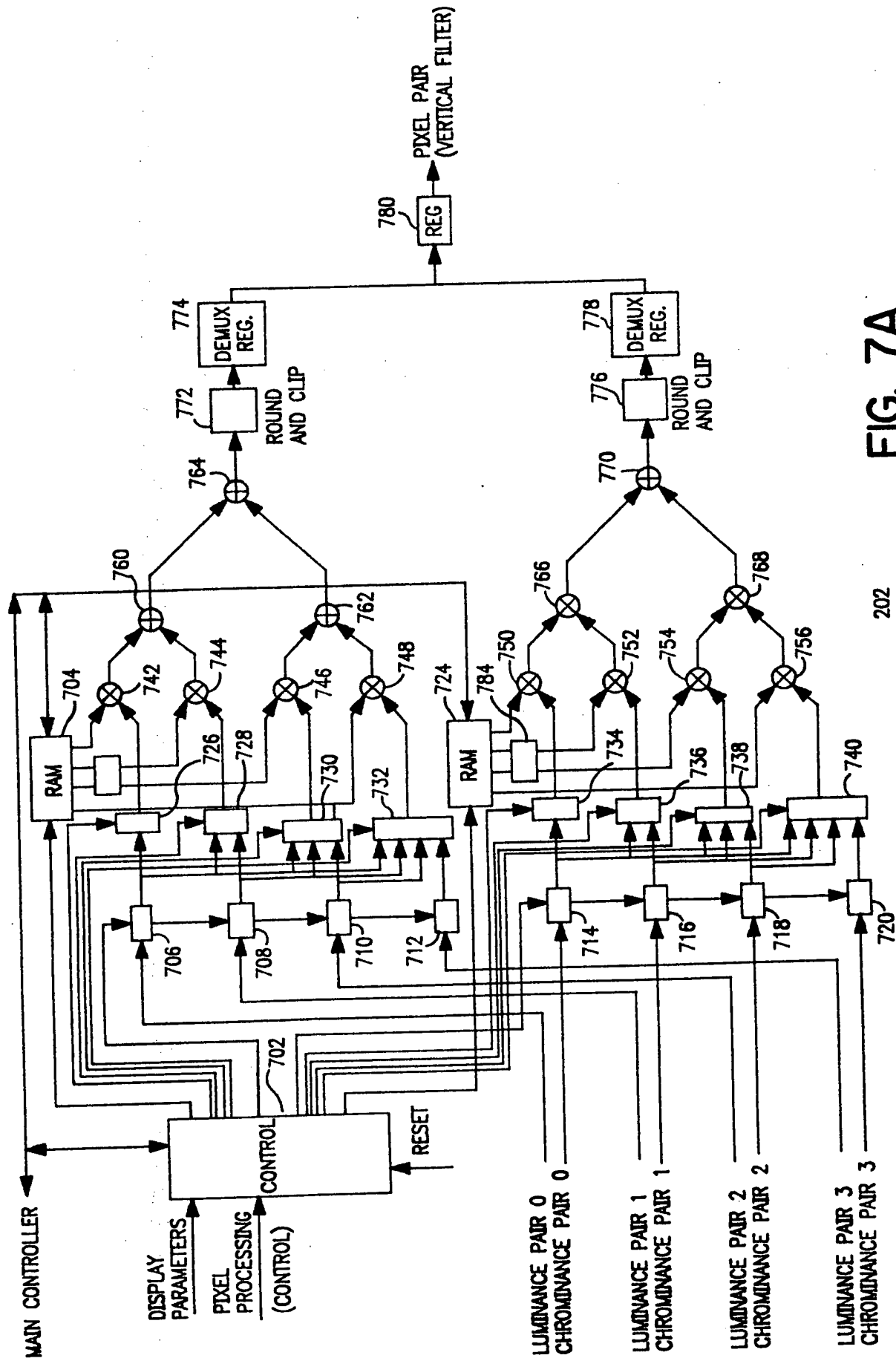


FIG. 7A

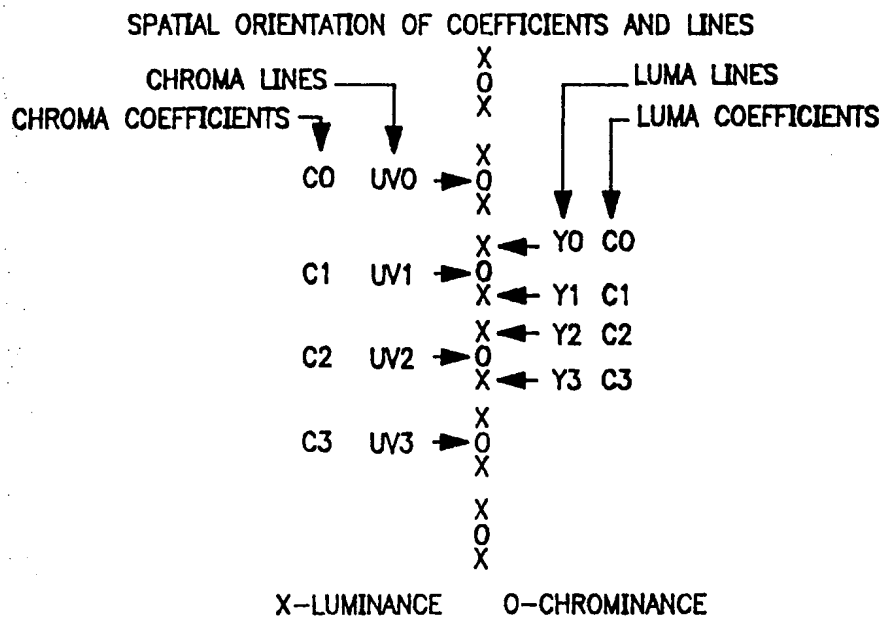


FIG. 7B

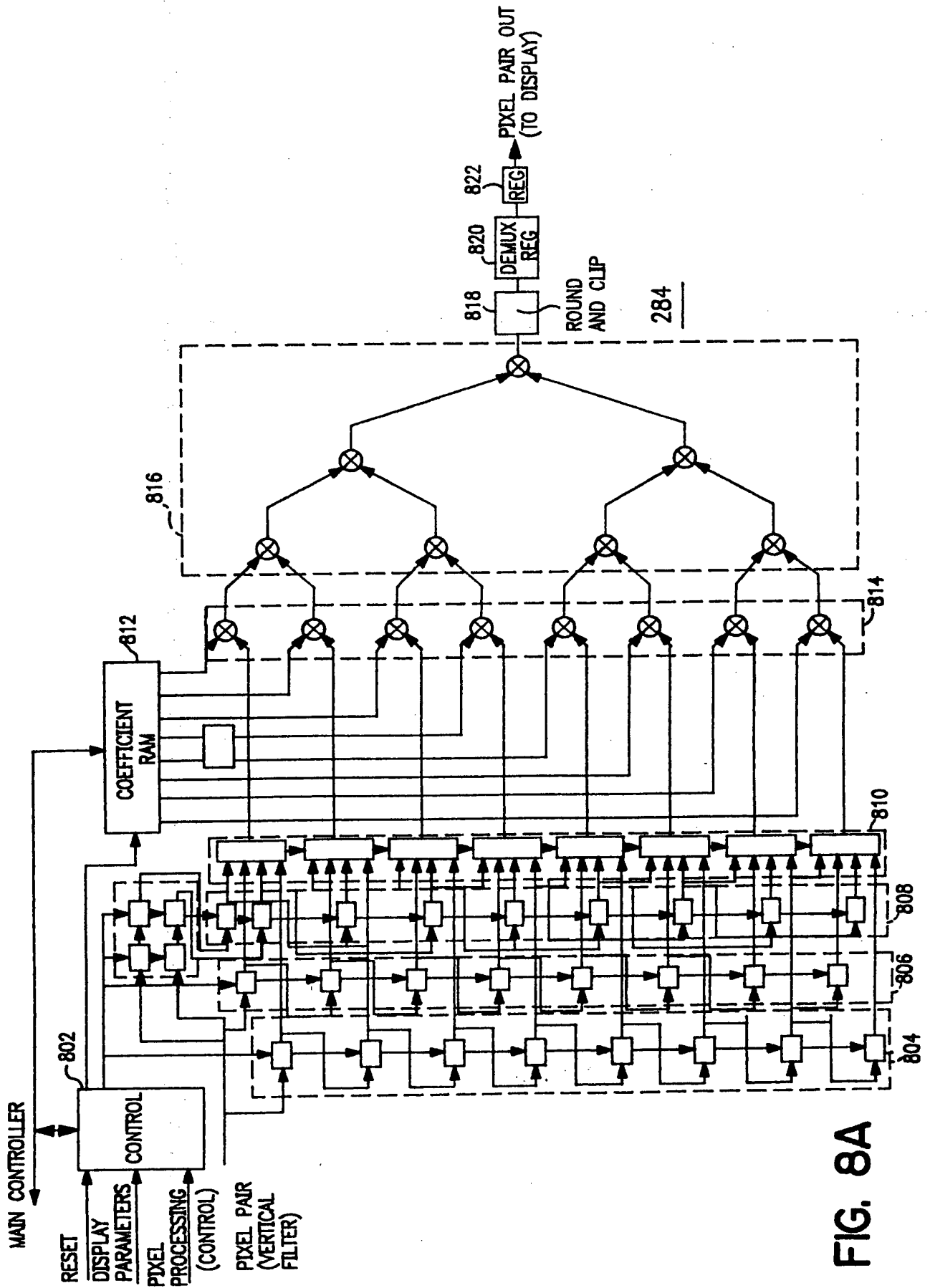


FIG. 8A

SPATIAL ORIENTATION OF COEFFICIENTS AND REGISTERS

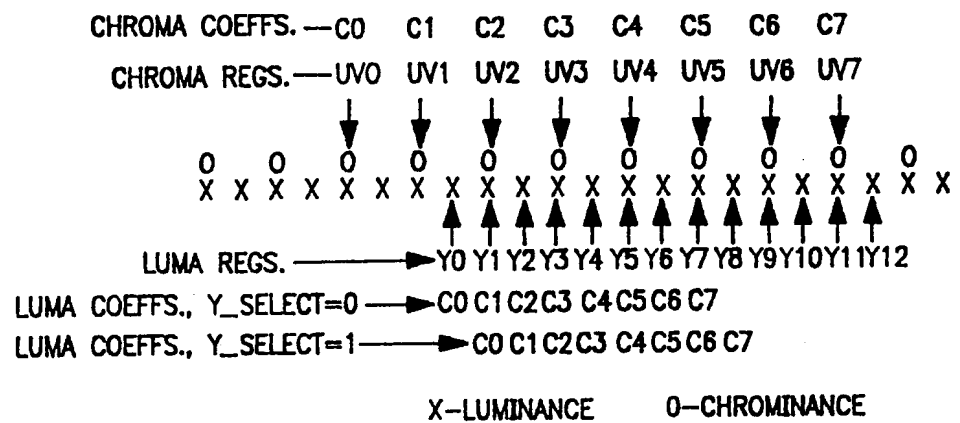


FIG. 8B

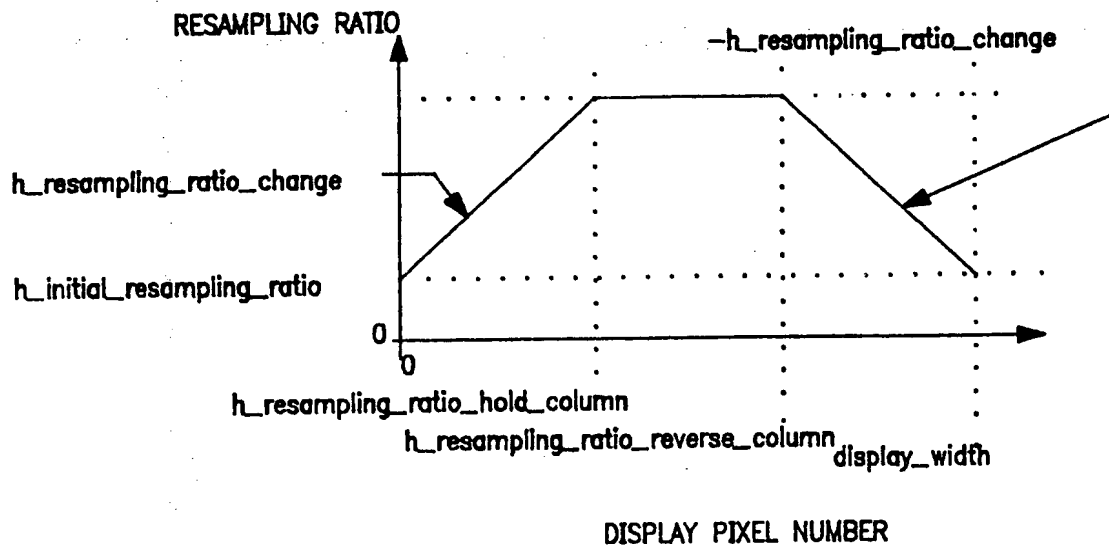
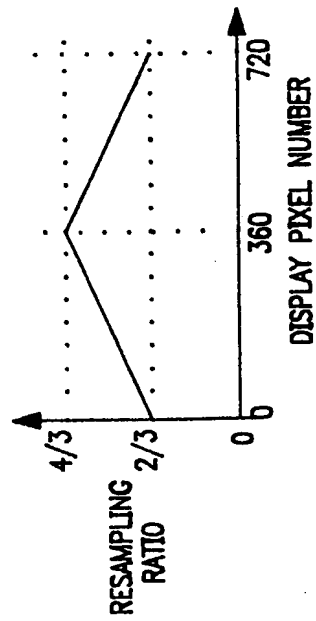
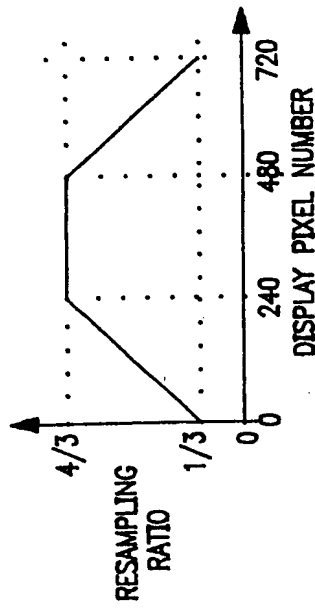
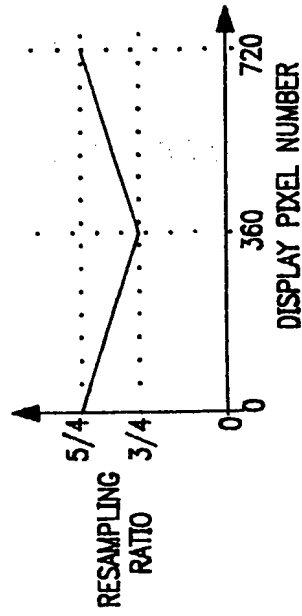
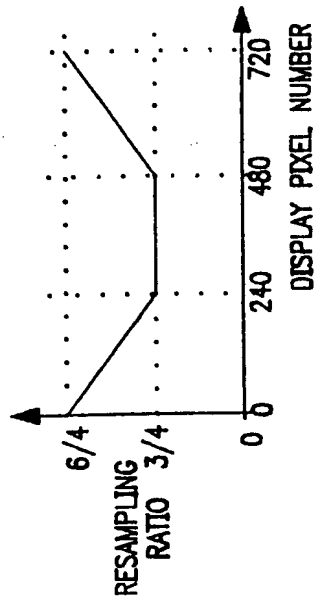


FIG. 9A















VIDEO TRANSMISSION FORMAT	16X9 DISPLAY MODES				4X3 DISPLAY MODES			
	FULL	ZOOM	SQUEEZE	VARIABLE EXPAND	FULL	ZOOM	SQUEEZE	VARIABLE SHRINK
16 9 	 (d)	—	—	—	 (b)	 (c)	 (d)	 (i)
4 3 	 (e)	 (f)	 (g)	 (i)	 (h)	—	—	—

FIG. 10

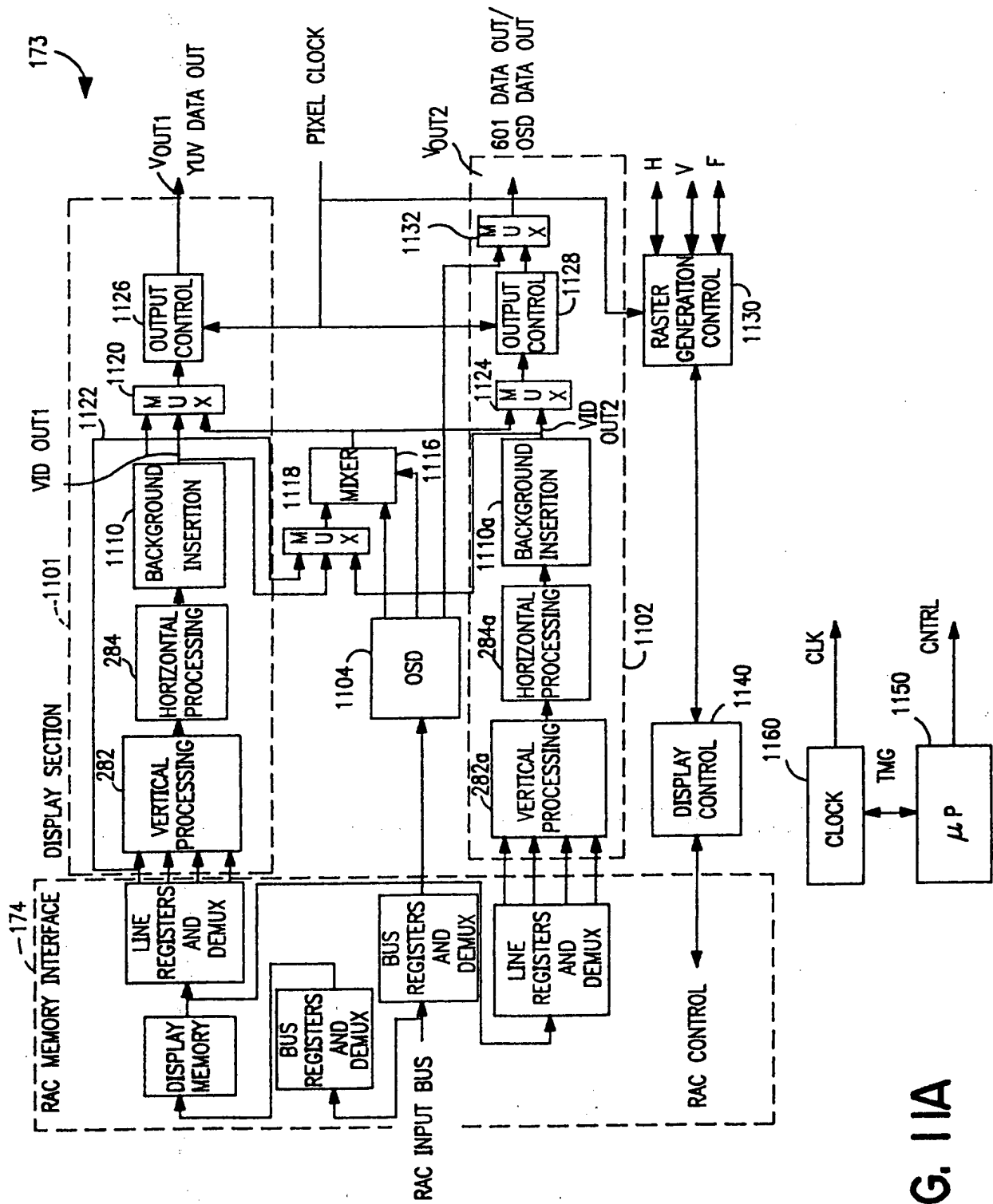


FIG. 11A

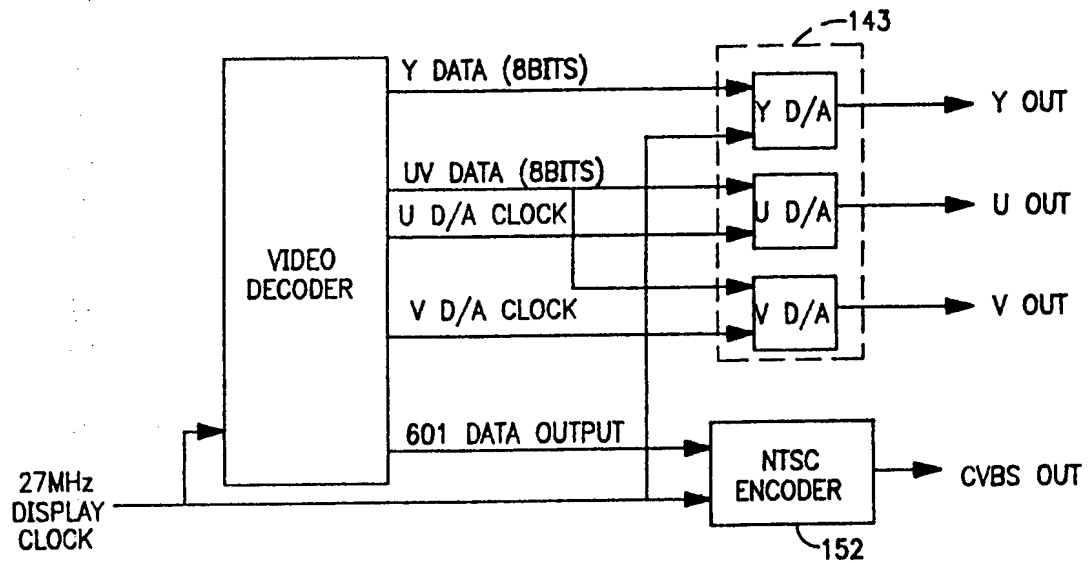


FIG. 11B

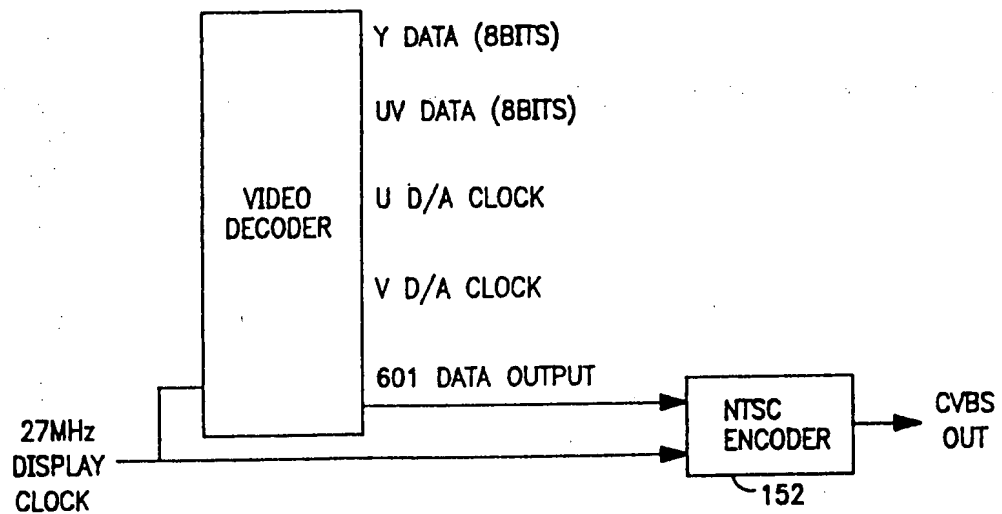


FIG. 11C

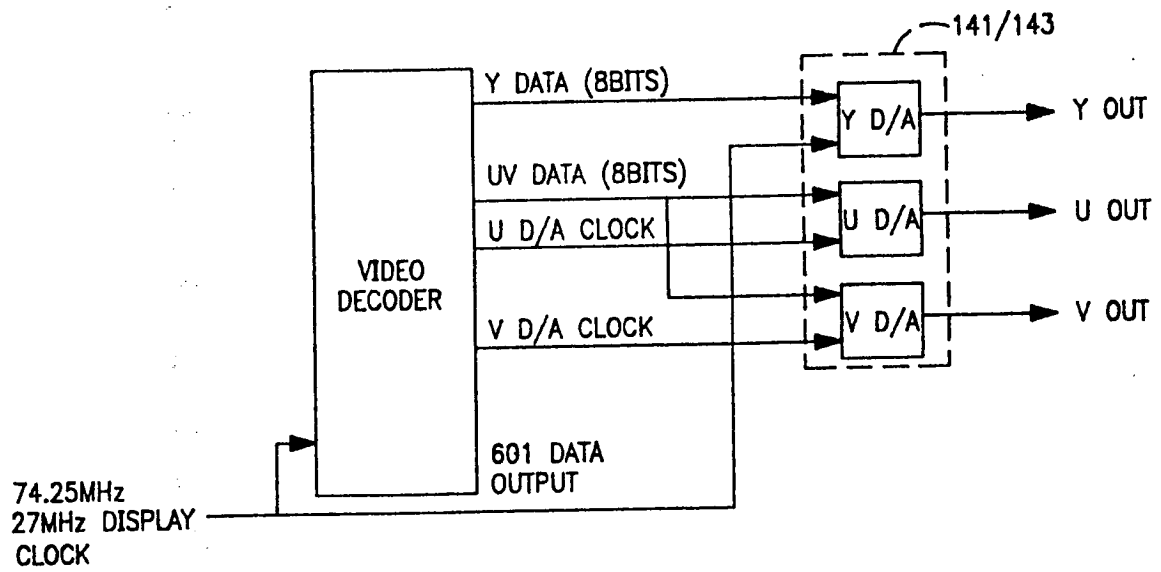
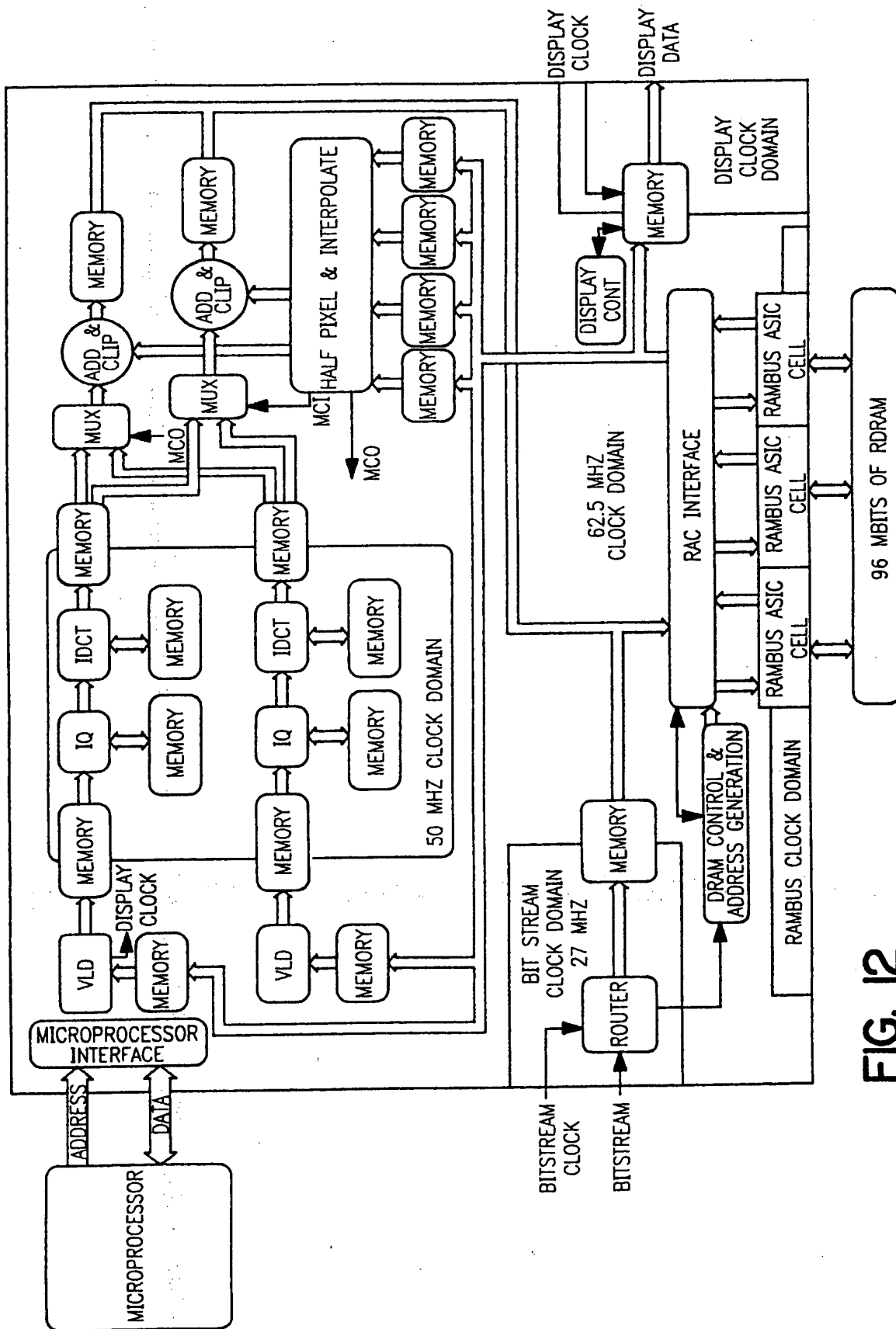


FIG. 11D

**FIG. 12**

PRIOR ART